

Metro Public Health Department
2016 Annual Report



MetroPublicHealthDept
Nashville/Davidson County
Protecting, Improving, and Sustaining Health



Metro Public Health Dept

Nashville / Davidson County

Protecting, Improving, and Sustaining Health

Mission:

***To protect, improve,
and sustain the health
and well-being of all
people in Metropolitan
Nashville***

Metro Public Health Department

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Metro Public Health Department
Nashville, Tennessee
2016 Annual Report



MetroPublicHealthDept
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Protecting, Improving, and Sustaining Health

MESSAGE FROM THE DIRECTOR



The Metro Public Health Department is committed to protecting, improving, and sustaining health. In short, we are all about “Keeping People Healthy,” which is the theme of this year’s annual report.

This report highlights some examples of the many ways our dedicated staff works on your behalf to keep Nashville’s people healthy.

Whether we are responding to an evolving situation with Zika virus or collaborating with the Nashville Public Library to provide Mobile WIC services, protecting children’s teeth from decay or protecting food safety, we work every day to create healthy conditions for everyone in Nashville.

We are grateful for your continuing support and trust. Our dedicated team members work diligently in our community—both visibly and behind the scenes—to provide essential services that protect and advance health for everyone.

A handwritten signature in black ink that reads "William S. Paul". The signature is fluid and cursive, with the first and last names being more prominent.

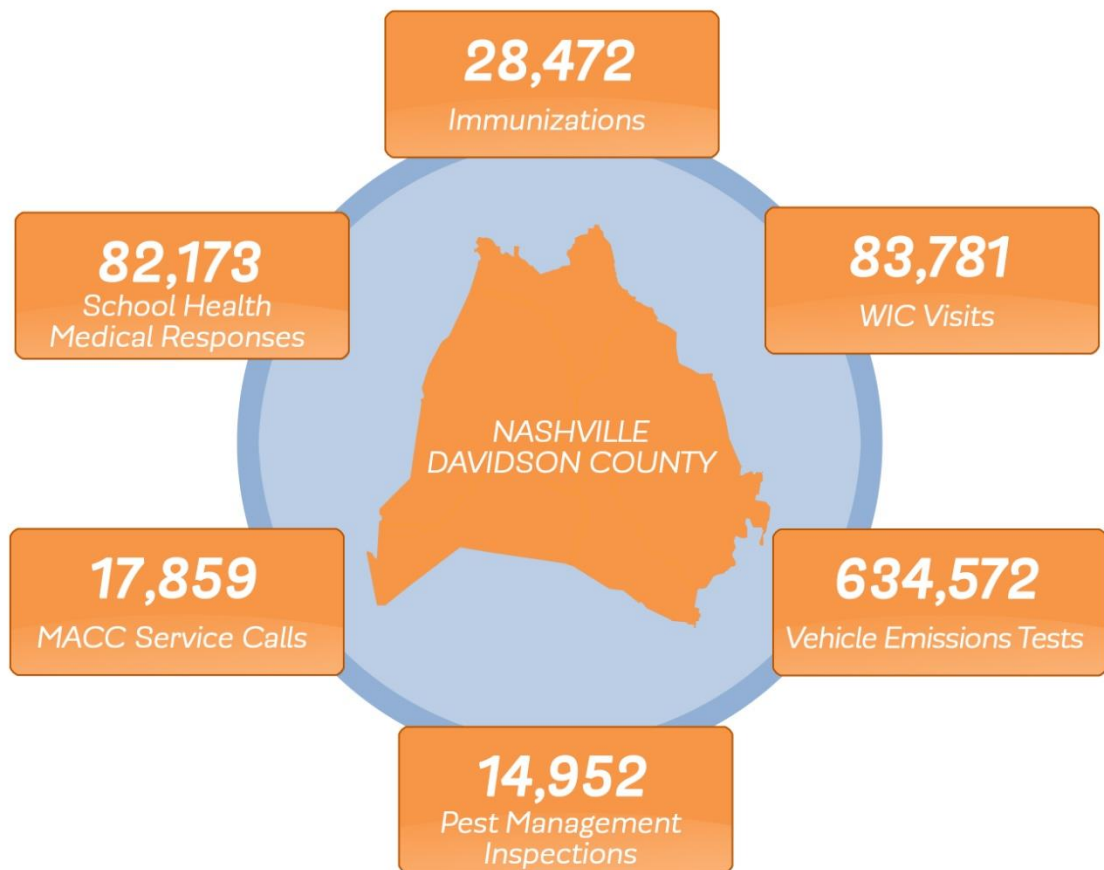
William S. Paul, MD, MPH

Director of Health

Metro Public Health Department of Nashville/Davidson County

Service Highlights

Metro Public Health Department serves the Nashville metro and surrounding Davidson County areas and municipalities. Davidson County, Tennessee is 526 square miles in size and has a total population of 679,000 persons.



5 CORE Foundational Health Goals

Nashville's Metro Public Health Department protects and improves the health of our community by serving under these 5 core foundational health goals:

Improve and Sustain Family and Child Well-Being

Promote and Support Healthier Living

Create Healthier Community Environments

Prevent and Control Epidemics and Respond to Public Health Emergencies

Increase Access and Connection to Clinical Care

SELECTED PROGRAMS AND SERVICES

RYAN WHITE PART A HIV PROGRAM

The goal of this program is to reduce new HIV infections, improve the health of persons living with HIV disease and improve the overall community's health in Middle Tennessee. The program receives direct federal funding to provide HIV medical care and a range of other support services for persons with HIV disease who have limited income and do not have sufficient health care coverage. Services are provided by several HIV medical providers and community agencies to persons living in Davidson County and the twelve surrounding counties. The Middle Tennessee HIV Planning Council, appointed by the Mayor, is a critical part of the program, and is charged with using a collaborative and diverse community planning process to assess the needs of persons living with HIV disease and determine what services are funded.

ENVIRONMENTAL PUBLIC HEALTH BUREAU

The Bureau of Environmental Public Health prevents diseases and creates healthy, supportive environments for everyone in Nashville by ensuring that our interactions with the environment - the air we breathe, the water we drink, the food we eat, and the homes and communities where we live - result in positive impacts on residents quality and length of life. Through provisions of education, environmental inspections, mitigations, and enforcement activities, the 50 well-trained staff in Pollution Control, Food and Public Facilities Protection, Pest Management, Engineering (Septic systems), and Vehicle Inspection work to:

- Ensure ambient air in Davidson County meets standards for specific pollutants;

- Provide protection from food borne illnesses;
- Protect from the spread of disease by vectors;
- Protect health by ensuring sanitary conditions at public facilities;
- Promote public health by ensuring proper design and location of septic systems, and;
- Protect ambient air by ensuring on-road vehicles are maintained properly minimizing their contribution to air pollution.

EPIDEMIOLOGY DIVISION

The Division of Epidemiology provides health data, statistical consultation, and education to the community and Metro Public Health Department programs. This experienced group of six epidemiologists offers analytical support to measure morbidity, mortality and health behaviors, guide sound health policy and assure best practices. Additionally, the Division provides technical assistance for community needs assessments and program evaluation throughout MPHD. By assessing, monitoring and evaluating the quality of the healthcare delivery in Nashville, MPHD can devote resources and services to communities with the most need. Evaluation or research studies are designed and implemented for programs within MPHD and for external organizations, upon request.

Finally, the Division collects, analyzes, and reports health status and health surveillance data for Nashville and Davidson County geographical areas. Reports include data based on information from birth and death certificates, notifiable disease data, community-based assessments and youth and adult health risk population surveys.

SELECTED PROGRAMS AND SERVICES

COMMUNITY HEALTH BUREAU

The Bureau of Community Health serves Nashvillians of all ages through twelve programs, three public health clinics, a stand-alone Women, Infants, and Children (WIC) clinic, and a state of the art dental clinic. Our focus is on providing quality services to the community to prevent disease and provide information to help Nashvillians stay healthy throughout their lives. Programs and services provided include; immunizations for children and adults, nutrition education and supplemental food programs, vendor management, breastfeeding support services, family planning for men and women, skilled nursing services, oral health, and pharmacy services. Staff at our public health clinics assists Nashvillians with enrolling in health insurance and provide referrals to other resources and services. In addition to operating public health clinics, our dedicated team of public health nurses, nutritionists, dentists, hygienists, and support staff take services out to public schools, community based organizations, and other public entities.

COMMUNITY DEVELOPMENT & PLANNING

Community Development & Planning is a Division within the Population Health Bureau. As such all efforts are population-based and focus across the lifespan. Efforts are focused on achieving policy, systems and environmental change (PSE). All efforts are planned, implemented and evaluated within an equity context. Responsibilities include:

- Community Health Assessment / Community Health Improvement Plan - development and implementation
- Facilitation of the Healthy Nashville Leadership Council (HNLC)
- Metro Health in All Policies initiative
- MPHD Health Equity team
- Preventive Health Block Grant (PPI)-faith-based heart disease program, breastfeeding, workplace wellness policy adoption
- Wise Moves Employee Wellness Program
- Tobacco Prevention & Control Program/Tobacco Settlement grant
- MPHD Strategic Plan-development and implementation

SELECTED PROGRAMS AND SERVICES

PUBLIC HEALTH EMERGENCY PREPAREDNESS

The purpose of the Public Health Emergency Preparedness (PHEP) Program is to build emergency preparedness and response capabilities related to bioterrorism, outbreaks of infectious disease, natural or man-made disasters, and other public health threats and emergencies. The PHEP Program creates, exercises and improves plans for responding to and recovering from public health emergencies by focusing on 15 national public health preparedness standards. These standards include community preparedness and recovery, emergency public information and warning, fatality management, mass care, medical countermeasure dispensing, responder safety and health, and volunteer management. Through collaboration with other local, regional, state and federal entities, the PHEP Program continues to improve and expand capacity to respond to public health emergencies through education, training, planning and exercising those scenarios that threaten the Davidson County community.

COMMUNICABLE DISEASE AND EMERGENCY PREPAREDNESS

The Communicable Disease and Emergency Preparedness Bureau works to control and prevent communicable diseases and respond to emerging threats in the community in six program areas: Ryan White Part A, Immunizations, Tuberculosis Elimination, Sexually Transmitted Diseases and HIV, Notifiable Diseases, and Public Health Emergency Preparedness. The bureau manages federal, state, and local funds to support disease surveillance,

coordinated care and treatment, disease and contact investigations, response planning, immunization coverage rates, vaccine monitoring, health education, and program evaluation. The primary goal of the program is to reduce the burden of disease in Davidson County and to promote healthy behaviors to prevent the spread of disease.

POPULATION HEALTH

The Population Health Bureau is responsible for planning, implementing, and evaluating services that address the health priorities and primary needs of infants, children and adolescents, mothers, and their families in Nashville/Davidson County through ongoing assessment, policy development, and quality assurance. Its staff is composed of a multidisciplinary team of physicians, public health nurses, policy analysts, administrators, nutritionists, health educators, social workers, epidemiologists, and support staff.

Metro Public Health Department

STRATEGIC PRIORITIES

As a community we need to have a broad view of health and well-being and a consistent focus on prevention. Our health is shaped by determinants well beyond the Health Department and well beyond medical care. Safety, education, economic stability and opportunity, access to healthy food and places to be active all contribute to a healthy community. Opportunities for healthy living need to be everywhere, woven into the fabric of our city.

The Strategic Plan is the result of an inclusive planning process that assessed our organization in a changing community and an evolving public health environment. The plan supports our Mission to protect, improve and sustain the health and well-being of all people in Nashville and our Vision of people creating healthy conditions everywhere.

The Strategic Plan focuses on both Foundational Health Goals and Strategic Organizational Goals. These goals reflect our focus on building organizational strengths and competencies as we strive to make progress to fulfill a vital and changing role in protecting, improving, and sustaining health in Nashville.

Foundational Health Goals

- Improve and Sustain Family and Child Well-Being
- Promote and Support Healthier Living
- Create Healthier Community Environments
- Prevent and Control Epidemics and Respond to Public Health Emergencies
- Increase Access and Connection to Clinical Care

Strategic Organizational Goals

- Strengthen and Support the Public Health Workforce
- Strengthen Organizational Performance
- Develop and Strengthen Community Collaboration
- Advance Health Equity
- Enhance Public Health Communication

Metro Public Health Department

PUBLIC HEALTH FACILITIES



Lentz Public Health Center

2500 Charlotte Avenue
Nashville TN, 37209



Woodbine Public Health Center

224 Oriel Avenue
Nashville TN, 37210



East Public Health Center

1015 East Trinity Lane
Nashville TN, 37216



South Nashville WIC Nutrition Center

3718 Nolensville Pike
Nashville TN, 37211



Metro Animal Care and Control

5125 Harding Place
Nashville TN, 37211



CSFP Commodity Warehouse

1417 Murfreesboro Road
Nashville TN, 37211

Metro Public Health Department

KEEPING NASHVILLE HEALTHY



MetroPublicHealthDept
Nashville/Davidson County

Protecting, Improving, and Sustaining Health

FOOD AND PUBLIC FACILITIES PROTECTION



“This fundamental shift in regulatory practice has improved systems awareness and risk assessment while promoting targeted training and more appropriate regulatory actions.”

It is estimated that 1 in 6 people will become ill with food borne illness each year. And, for those in that 17 percentile able to link their illness to a contaminated food, an elevated interest in food safety often results. Fortunately, public health agencies and their staff across the country need not succumb to food borne illness to understand the importance of promoting food safety. Food and Public Facilities Protection (FPFP) of the Metro Public Health Department is no exception. Significant internal changes in policy, practice and management have been taken to better address the growth in Nashville's food service industry as well as changes in how foods are prepared and served.

Since 2007, approximately 1000 new food establishment permits were issued in Nashville/Davidson County, with nearly half of those new establishments starting up since 2013. To help maintain quality and efficient environmental health training and regulation, FPFP has undergone significant internal changes. The division joined with Public Facilities which increased overall staff by nearly 50%.



In addition, three entirely new positions were approved bringing the total number of food and public facilities inspectors to 20. This merger required each environmentalist to

cross-train and become standardized in the disciplines of food, swimming pool, hotel and tattoo safety regulations. This allows environmentalists the option to accomplish multiple inspections (pool, restaurant and hotel) within the same facility, where appropriate. Currently, FPFP is responsible for over 4,900 food service permits, 866 pools, 460 day care centers, 200 hotels, 173 public school plants, and 34 tattoo studios and the merger is expected to provide a logistic advantage in complete the required inspections.

8,213

regular/complete
food and public
facility inspections
by MPHD in 2016

UP-TO-DATE FOOD REGULATIONS

Another strategy to promote food safety was the adoption of modern food regulations. Prior to 2015, regulations that applied to food service environments within Nashville / Davidson County were based on the 1976 Model FDA Food Code. Over the past couple of decades, our understanding of food borne pathogens and food borne outbreaks has significantly improved. Both research and food borne outbreak investigations have provided a wealth of knowledge regarding food safety risks. We now understand the leading cause of food borne disease is not bacteria; instead, viruses are believed to account for most food borne illnesses. We have identified new and emerging pathogens since 1976 that present challenges to food safety including the ability to grow under refrigeration and cause illness with minimal contamination. Research has also shown a correlation between manager food safety training and reduction in food borne outbreaks. In addition, new food safety risks associated with special processes such as vacuum packaging, curing, and fermentation exists in a growing number of foodservice environments.



REGULATORY PRACTICE SHIFT

The new food code addresses these challenges and, in doing so, has significantly changed how routine food inspections are conducted. Inspection protocols that were once heavily focused on physical facilities including floors, walls and ceilings now emphasize conditions and practices most likely associated with food safety risks such as managers abilities to demonstrate food safety knowledge, biological hazards associated with inadequate storage, preparation, cooking, cooling and service of foods, system policies and ill worker exclusion. This fundamental shift in regulatory practice has improved systems awareness and risk assessment while promoting targeted training and more appropriate regulatory actions. However, it is not without costs. Inspector standardization and increased time required during routine inspections present new challenges to the FPPF. To address these challenges, FPPF has increased the number of standardizers from 2 to 4 and increased the overall number of food inspectors from 11 to 20 through the merger with the former Public Facilities Division.

IMPACT ASSESSMENT

Measuring the success or impact of a food protection program can be challenging. One method of doing so may be found in evaluating the outbreak prevalence and response. A program's ability to respond to complaints in a timely manner as well as contribute to outbreak investigations in a productive manner can be measured. In Nashville/Davidson County, isolated food borne illness complaints received by FPPF are addressed by site visits within 24 hours of notification. Environmentalists are training in conducting assessments during outbreak investigations and actively participate in the entire investigation. Since January 2016, FPPF has fielded over 100 isolated food borne illness complaints resulting in 11 outbreak investigations. Each of the investigations was reported to both Tennessee Department of Health and CDC. For each complaint received systems were evaluated and controls were implemented where appropriate, helping ensure the operations continue to provide the safest foods possible to both residents and visitors of Nashville/Davidson County.

ORAL HEALTH



“MPHD’s school-based oral disease prevention grant was expanded this year allowing new staff members to join our team which now consists of 8 hygienists, a hygiene supervisor, an office support representative and a dental assistant.”

SCHOOL-BASED ORAL DISEASE PREVENTION

While MPH D has been providing dental sealants in Metro schools for 25 years, the school-based oral disease prevention grant was expanded this year allowing new staff members to join our team which now consists of 8 hygienists, a hygiene supervisor, an office support representative and a dental assistant. Through the concerted efforts of our team, we were able to visit 29 Metro schools and provide 24,565 dental sealants. Staff members also provided fluoride varnish and individualized oral health instruction to students. When the school-based dental program was expanded in 2001, only 56 % of children were cavity-free. For the last fiscal year, that number had risen to 74%.

CDC VITAL SIGNS REPORT

Earlier this year, the CDC highlighted the benefits of dental sealants and school-based dental prevention programs in its Vital Signs report. The CDC stated that school-based dental sealant programs could prevent most cavities, and lower treatment costs for vulnerable children. Research confirms the CDC's statement revealing that sealants applied to the back teeth could prevent up to 80 percent of cavities in school-aged children. Dental sealants are a thin coating that is applied to teeth to protect them from cavities. They are quick, easy and painless to apply. "Many children with untreated cavities will have difficulty eating, speaking, and learning," said CDC Director Tom Frieden, M.D., M.P.H. "Dental sealants can be an effective and inexpensive way to prevent cavities, and school-based sealant programs are an effective way to get sealants to children."

DENTAL SEALANT PROGRAMS

Sealants provided in school settings are effective. Recent studies found that dental sealants prevent 80 percent of cavities for two years after application and continue to protect against 50 percent of cavities for up to 4 years

after placement. They can be retained in the mouth for as long as nine years.

School-age children without sealants have almost three times more cavities than children with sealants.



TOOTH FAIRY MARY

"Tooth Fairy Mary" has become a Nashville tradition entertaining children while teaching them about good oral health for more than two decades. They have so much fun being teeth that learning how to brush is effortless. Older students are given presentations geared toward their age group, and they not only learn about good oral hygiene, but the potential consequences of issues they face such as smoking and oral piercings. Good oral health is an important part of overall health, and Mary empowers kids to be healthy.

"Tooth Fairy Mary" encourages kids to brush and floss at Andrew Jackson Elementary.



PERLA

Sometimes we get lucky enough to work with great kids at schools and in our beautiful state of the art dental clinic at the Lentz Center. We met Perla as a 6 year-old at her school when she participated in the dental sealant program. She was able to get dental sealants, but she let us know that she did not have a dentist of her own. We sent home information about our clinic to her mom, and now Perla is also one of our all-time favorite patients. She greets us with a smile and a hug and tries to stay in the clinic all day until her mom tells her she has to leave. She gets great check-ups and is a spectacular brusher!



PEGGY

Many do not realize that dental care can literally mean the difference between life and death. Peggy came to the Lentz dental clinic as an adult emergency patient. Her emergency was cancer. She was battling her illness, and while she had medical coverage, she did not have dental insurance. She had reached a point in her treatment where she needed dental clearance in order to proceed, but she could not afford to see a dentist without insurance. Fortunately, she contacted us, and we were able to evaluate her and provide the treatment she needed to continue her cancer treatment. We all admired her courage and cheer, and all felt honored to know her.

The Oral Health Program served 29 Metro Schools and provided 24,565 dental sealants.

IMMUNIZATIONS & COMMUNITY HEALTH



“Metro Public Health Department clinics provided over 27,425 immunizations last year.”

Immunizations (vaccines) protect children from serious illness and complications of certain diseases. Vaccine-preventable diseases, such as measles, mumps, and whooping cough, are still a threat in the U.S. which can result in hospitalizations and deaths every year. Though vaccination has led to a dramatic decline in the number of infectious disease cases in the U.S., some of these diseases are brought into the country by international travelers. If children are not vaccinated then they could easily get these diseases from others, travelers, or while traveling themselves.

Metro Public Health Department (MPHD) clinics provided over 27,425 immunizations last fiscal year. MPHD is enrolled in the federal program, Vaccines for Children, which offers vaccines to eligible children, aged 18 years and younger at low or no cost. We also have federal vaccines available for certain diseases for uninsured adults aged 19-64.



CHILDHOOD IMMUNIZATIONS

Parents want to do everything possible to make sure their children are healthy. Immunizations are one of the best ways to do that. If children

aren't vaccinated, they can spread disease to other children who are either too young to be vaccinated or to people with weakened immune systems which may result in long term complications or even death.

MPHD's Immunization Program provides outreach to children at high risk for not completing their vaccine series and certificates for school entry at no cost. MPHD also reviews immunization records for all licensed daycares in Davidson County.

27,425

MPHD administered
vaccinations in 2016

ADOLESCENT IMMUNIZATIONS

Vaccines are not just for babies. As children grow up they may come in contact with different diseases. Some vaccines can wear off as children become older or the effectiveness of some vaccines may decrease over time.

Pre-teens (ages 11-12) should receive three recommended vaccines, TDAP, meningococcal, and human papilloma virus (HPV) vaccine. The TDAP vaccine protects against three serious diseases: tetanus, diphtheria, and pertussis (whooping cough). The meningococcal vaccine protects against some of the bacteria that can cause meningitis (swelling of the lining around the brain and the spinal cord). The HPV vaccine prevents cancers in both men and women. Currently in Tennessee, the TDAP vaccine is required for 7th grade entry into schools; and while the others are not required for entry, they are highly recommended. In Tennessee, vaccination rates of TDAP and meningococcal vaccine are much higher than the HPV rate. Possible reasons for low HPV vaccination rate could be lack of strong provider recommendation and misperceptions about the vaccine.

Parents want to do everything possible to make sure their children are healthy. Immunizations are one of the best ways to do that.



SENIOR IMMUNIZATIONS

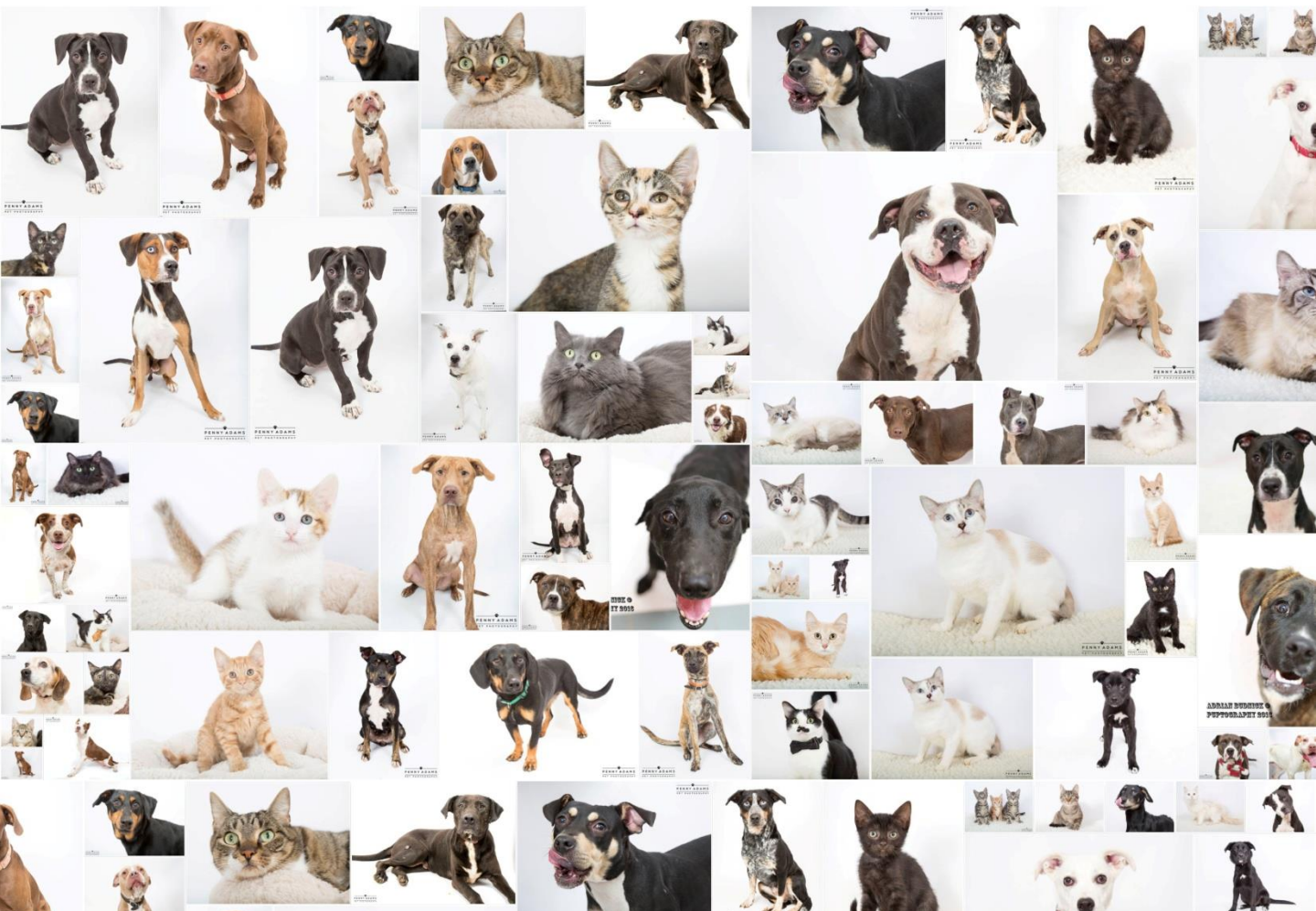
As adults get older, immune systems tend to weaken over time, putting them at higher risk for certain diseases. For this reason, in addition to seasonal flu vaccine and tetanus or TDAP booster, older adults should also get pneumonia and shingles vaccines.

Pneumococcal vaccines protect against pneumococcal disease which can lead to infections in the lungs or the bloodstream. They are recommended for all adults over 65 years old and for adults younger than 65 years

who have specific chronic health conditions. Zoster vaccine which protects against shingles is also recommended for adults 60 years or older.

Immunizations protect people from serious and sometimes deadly diseases. We all play a role in protecting the public by vaccinating our families and loved ones and educating others about the importance of vaccines.

METRO ANIMAL CARE & CONTROL



***“Metro Animal Care and Control found
2,426 animals adoptable homes and
returned 721 pets to their owners in 2016.”***

Metro Animal Care and Control (MACC) released their annual data report for 2016, which showed significant strides in lowering animal euthanasia. In Davidson County, the euthanasia rate has been lowered to 13%, which is a 50 percentage point decrease from 2015. Month-by-month MACC has shown positive incremental steps toward their goal of saving more animals across Nashville.

MACC's positive progress can be attributed largely to community help and support. The partnerships forged by MACC have created an environment for support programs and resources necessary to help pets in Nashville. MACC has reduced intake and found more proactive ways to help both people and animals by devoting more resources to the needs of individual animals while still providing exceptional care for the population as a whole. In addition to lowering euthanasia rates, MACC showed consistent and system-wide improvements in animal care, from expanding their volunteer and foster programs, to expanding rescue partnerships to help the most challenged animals get a second chance.



PROGRESSIVE LEADERSHIP

MACC leadership took large strides towards improving live outcomes at the shelter. One such step was improving shelter policy to allow for FIV-positive cats to be placed in adoption. This is a practice supported by Best Friends Animal Society and many other national

leaders. Only a small percentage of open admission shelters have taken this progressive step toward live outcomes. Meatball (pictured) was the first FIV-positive cat to be placed on the MACC adoption floor, he is now happily placed and enjoying adoption success!

14%

decrease in
euthanasia rate
from 2015 to 2016

TIMELY UPDATES

MACC now creates and shares a Weekly Rundown that includes intake, adoption, rescue, community cats and foster stats to keep Nashville abreast of the positive work their shelter achieves. The weekly rundown shares statistics, celebrates success and offers transparency to the viewing public.

FREE RIDE HOME PROGRAM

The Free Ride Home program launched in August 2016 and allows for dogs with proper identification to get a ride home; not to the shelter. Personalized ID tags, rabies tags and microchips are the best ways for lost pets to be quickly reunited with their owners. Animal control officers who pick up a wandering dog with the appropriate information will attempt to contact the owner and transport the animal to its home, rather than to the animal shelter. Pet owners will get their lost dogs back, while reducing the number of animals admitted to the shelter. There is no fee to the pet owner for having his or her animal returned through the Free Ride Home program. Owners of pets that have to be admitted to the shelter are charged \$50 impoundment fee and \$18 for each day there after that the animal has to be held at the shelter, added incentive for pet owners to ensure that their dogs carry the appropriate IDs and/or microchips.



OPERATION SILENT NIGHT

Every pet deserves a special place to spend the holiday season and shelter staff hosted the first ever Operation Silent Night in December 2106 to ensure that each of the pets at the shelter found either a permanent or temporary home for the holiday. Operation Silent Night was created to bring awareness of homeless pets in the area and making sure that they are in a warm and loving home for the holidays, whether that be a forever home or a foster home. With over 90 adoptions and 20 fosters in just three days the shelter went from being at capacity to a 'cleared shelter' and huge success.

MEDIA AND SOCIAL MEDIA

MACC's social media presence has grown leaps and bounds in its three year existence. MACC finished 2016 with just under 19,000 followers on Facebook; a 74% increase throughout 2016. This following allows MACC to speak directly to the pet loving community of Nashville.

MACC's social media reaches approximately 30,000 Facebook users weekly, with approximately 17,000 user post engagements weekly on average. As a high water mark, a single video showing the cleared shelter after Operation Silent Night yielded 1.4 million reach, had over 523,000 views, and 63,000 comments, shares and reactions.

4% adoption increase
in 2016

3% return to owner
Increase in 2016

27% transfer to rescue agency
Increase in 2016

MPHD RESPONSE TO ZIKA VIRUS



“MPHD helped to reduce standing water & mosquito breeding sites and encouraged vigilance by homeowners, businesses, and the community at large to stay atop this public health concern.”

In 2016 Metro Public Health Department (MPHD) confirmed Nashville's first human case of Zika virus. In all, 13 cases of Zika virus were confirmed in Davidson County in 2016.

"Many people travel to and from Nashville to countries where Zika is being transmitted, therefore, we expected the possibility of imported cases of the disease," said Dr. William Paul, Director of Metro Public Health Department.

Paul went on to state: "Even though mosquitoes are not spreading Zika here, we know West Nile virus has been an issue for more than a decade and should be a reminder for everyone to routinely take steps to protect against biting mosquitoes and prevent mosquito breeding areas by removing standing water."



PUBLIC AWARENESS

In conjunction with the State Department of Health, MPHD took swift action to educate and engage the Nashville community surrounding this public health concern. In addition to working directly with local news outlets, MPHD

was swift to identify the major public concerns and misinformation around Zika and establish firm and credible public information. Additionally, Health Department staff from Environmental Bureau and Public Health Emergency Preparedness team initiated a localized door-to-door grassroots campaign intended to provide basic mosquito bite prevention methods and answer any questions the public may have surrounding mosquito-borne illnesses and specifically information about Zika virus.



MPHD created a Public Service Announcement regarding mosquito prevention and distributed printed collateral material at CMA Fest and local community centers around Nashville in an effort to educate the public and target audiences that favor outdoors and are potentially of childbearing age.

MOSQUITO TESTING AND PREVENTION

Operationally, MPHD's Pest Management staff worked in neighborhoods across Nashville to monitor standing water and apply larvicide to standing water when mosquito larvae are present. Monitoring continued throughout most of 2016 as a mild-weathered Q4 stretched mosquito season later than expected.

MPHD helped to reduce standing water & breeding sites and encouraged vigilance by homeowners, businesses, and the community at large to stay atop this public health concern.

MOBILE WIC – ADVANCING HEALTH EQUITY FOR DAVIDSON COUNTY



“The Mobile WIC program exemplifies effective community collaboration to reduce health disparities in Nashville.”

A mother walks hand in hand with her two young children through the doors of the Hermitage Library. Today, they will leave with more than books. The Hermitage Library is one of the WIC Mobile Program's 15 outreach sites, which means that this mother can receive WIC services at her local library rather than commute over 15 miles to the nearest WIC clinic.

WIC Mobile partners with churches, community centers, libraries, MDHA properties, and public service organizations throughout Davidson County to reduce health disparities within the community by offering nutrition education and supplemental food to at-risk populations. WIC Mobile reduces barriers such as time, money and transportation to help residents obtain WIC benefits by providing services closer to home. Since its inception in 2013, the WIC Mobile Program has steadily increased its participation rate from an average of 130 participants per month in 2013 to an average of 468 participants per month in 2016 served at 20 accessible outreach sites.

The program exemplifies effective community collaboration by teaming with various organizations to utilize their space, while benefitting the host sites by promoting their programming and community events. Monthly classes are often strategically scheduled around events of interest to the WIC population, such as story time at the library, in order to offer maximum convenience for families while introducing them to community resources they may not have been familiar with. WIC Mobile has also hosted representatives from job training programs, technology centers, the FIMR Safe Sleep program, and has even provided flu shots during their classes through the Metro Public Health Department.

Davidson County WIC's Hospital program fulfills the same goal of meeting participants where they are. In this case, that is next to their hospital bed. Mothers can receive WIC services

for themselves and their babies at four local Nashville hospitals, eliminating the stress of traveling to the WIC office with a newborn. The hospital program has a strong focus on breastfeeding support and a staff made up of Certified Lactation Counselors who are able to intervene soon after birth. Early support is the key to increasing initiation and duration rates in breastfeeding. With this fact in mind, the Hospital program added a Breastfeeding Peer counselor to its staff to provide an extra level of support. By partnering with local hospitals, the hospital program is one step closer to achieving the goal of making breastfeeding the norm, and the easiest choice for moms in Davidson County.

***Metro Public Health Department
Mobile WIC program served at 20
accessible outreach sites last year.***

Once moms are ready to venture home from the hospital, WIC continues to support their breastfeeding efforts by offering advice and encouragement just one click away. In May of 2016, Davidson County WIC launched a Breastfeeding Support Group on Facebook. The group's charge is to meet the need in the community for mother to mother breastfeeding support. The group is also made up of WIC peer counselors and nutritionists, available to provide evidenced based information and resources.

Davidson County WIC strives to find innovative ways to make vital WIC resources available to all who qualify. Programs like the Mobile WIC Program and the Hospital WIC Program are continually adapting to better serve participants and their changing needs. Creative outreach efforts like these will assure that Nashville can continue to prioritize making families healthier and minimize the disparities that currently exist.

LENTZ PUBLIC HEALTH CENTER DESIGNATED LEED-SILVER IN 2016



“The building represents a substantial commitment to a healthier Nashville, both for the services we will provide, and also as a model of healthy design for a healthy workplace.”



Named after Dr. John J. Lentz, the first health director in Nashville and Davidson County, Lentz Public Health Center has successfully served the Metro Nashville community for more than 50 years. In a unique private-public partnership agreement, HCA, in association with the City of Nashville, built a new 106,000-square-foot facility that combines administrative office space and public health clinics in a new, more visible location on Charlotte Avenue.

Exemplifying MPHD's mission to "protect, improve and sustain the health and well-being of all people in Metropolitan Nashville," the design of the new facility was driven by a key set of guiding principles. Consistent with the Health Department's culture, values and mission, the guiding principles centered on activating the workplace, keeping it flexible for change over time, and providing a healthy, accessible and sustainable building for the city of Nashville.

Sustainable site features include a plaza connection with Charlotte Avenue's bike lanes,

sidewalks, and dedicated bus stop. A ¼ mile walking loop, encouraging physical activity for better health, is open and available for public use. The building perimeter is landscaped with native plantings that are irrigated by collected rainwater. Preferred parking spaces for low-emitting and fuel-efficient vehicles are designated, and the site features two electric vehicle charging stations.

To Achieve LEED Silver certification in 2016 significant energy conservation and reduction measures were incorporated into the new facility, including a building envelope design that outperforms the requirements of the building code. Energy performance is optimized by 14% over buildings with similar use. The air quality inside the building is enhanced by providing 30% more outside air than required by code.

Also enhancing air quality, GS&P, in association with former bureau director of environmental health, Brent Hager, designed a ground-breaking system for radon mitigation.



Other sustainable features include a state-of-the-art lighting system controlled by daylight sensors and occupancy sensors; water-efficient plumbing fixtures; and an on-site retention pond that collects storm water, allowing for slower, cleaner and more manageable flows into the city's storm water system.

"This building is a big change for us," stated Dr. William S. Paul, director of Nashville's Metro Public Health Department at the facility's ribbon-cutting ceremony. "For those of us who work here and those who visit us, it is literally a breath of fresh air. The building represents a substantial commitment to a healthier Nashville, both for the services we will provide, and also as a model of healthy design for a healthy workplace."

Former Nashville Mayor Karl Dean, who presided over Nashville when the Lentz Public Health Center first opened in 2014, also echoed the project's significance and success.

"This facility is part of a series of investments that we as a city are making to provide the resources our citizens need to make the right choices, the healthy choices, for themselves and their families. I am also excited that this project is supporting the revitalization of Charlotte Avenue. Shortly after breaking ground on this building, we opened the new 28th/31st Avenue Connector only two blocks away. It connected our city in a way that helped address the divide created when the interstate was built decades ago. Combined, these two projects are a tremendous shot in the arm for Charlotte Avenue, and it's exciting to see new economic development following in the area.

"Clearly, the new Lentz Public Health Center will benefit our city in a number of ways, and serve as a prime example of how important health is in our community."

HEALTHY NASHVILLE SUMMIT - ADVERSE CHILDHOOD EXPERIENCES



“Our community is striving to identify adverse childhood experiences early so we can build resiliency, or alternatively - avoid them entirely.”



On April 22nd, 2016, the 7th Annual Healthy Nashville Summit was held at the Trevecca Community Church with more than 400 community members in attendance. The Summit theme for 2016 was “Building Healthy Brains” and improving mental health conditions, with a special focus on adverse childhood experiences (ACEs). Our community is striving to identify these adverse childhood experiences early so we can build resiliency, or alternatively - avoid them completely.

The chair of the Healthy Nashville Leadership Council, Dr. Frieda Outlaw, RN, moderated the event which began with MPH D’s Dr. Bill Paul walking the audience through a brief history of the Healthy Nashville Summits past, and how this summit ties back directly to one of the three key priority issues identified in the Community Health Improvement Plan: *supporting mental and emotional health*.

The event’s keynote speaker was Harvard sociologist, professor, author, and orator, Dr. David Williams. Williams’ lecture brought tough, sobering, and eye-opening facts about race, gender, and how ACEs in childhood can

affect health throughout the course of life.

Attendees then broke-out into 8 workshops: a “101 session,” and a “deeper dive” in the following areas:

- Parent and Community Engagement
- Trauma – Informed Care
- Quality Improvement
- Systems Change

Next was a local ACE Process Panel, made up of Jennifer Drake-Croft, Kristen Rector, Linda O’Neal, and Angie Thompson. The group discussed what foundations ACE Nashville is striving to achieve, developed and discussed local priorities, and shared how audience members could get involved.

To conclude the event, Nashville Mayor Megan Barry took the stage to provide the Summit’s translation to action. Barry discussed how parents, mentors, and community members are crucial to positive, collective health outcomes, and how we must become a net for these children to bounce against when they face adversity.

Metro Public Health Department

CAMPAIGNS

FETAL INFANT MORTALITY REVIEW

Launched the Safe Sleep Awareness Campaign in collaboration with the Metro Transit Authority. The 3-month awareness campaign included bus bench and shelter ads placed in Davidson County communities with the highest 5-year infant sleep related deaths and resulted in more than 542,500 views of the campaign ads.

Give Your Baby Some Space
Share the room. Not the bed.



fb.com/MPHDNashville
@NashvilleHealth



Continued partnership with 65 grocery and/or pharmacy retailers and health clinics to place 101 safe sleep floor talker education displays throughout Davidson County stores. Retail partners will be invited to participate in the Safe Sleep Ambassador training to inquire, educate and assist caregivers with consistently providing the safest sleep environment for their infants.

Nationally accepted and funded as one of seven cities to participate in the CityMatCH Equity in Birth Outcomes Institute. Using a collective impact framework, the FIMR Community Action Team will initially focus on implementing safe sleep education in public housing in partnership with the Metro Development and Housing Authority.



WHAT HAPPENS NEXT DOOR
AFFECTS YOUR HEALTH AS WELL

BREATHE EASY



615.340.5334 | TobaccoPrevention@nashville.gov | @breatheeasytash



BREATHE EASY

The Breathe Easy Media Campaign was launched to help Nashville residents breathe easy by creating smoke-free multi-unit housing communities. We understand that home is a refuge. Nashville residents deserve to breathe clean air in their own home. Our goal is to create smoke-free multi-unit housing communities in Nashville so residents can breathe easy.

The 12-month campaign includes social media advertisements, billboard and bus bench campaign and outreach programs designed at targeting Nashville multi-unit housing locations and ensuring they are either currently smoke-free or working toward a positive smoke-free outcome.

FINANCIALS

2016 FINANCIAL REPORT

State and Federal Grant	\$24,565,900
Other Grants	\$94,400
Fees for Services	\$5,651,200
Metro General Fund	\$15,211,500
TOTAL BUDGET	\$45,523,000



Metro*Public Health*Dept
Nashville / Davidson County

Protecting, Improving, and Sustaining Health